

# National Ocean Policy

**"...a flexible framework for effective coastal and marine spatial planning to address conservation, economic activity, user conflict, and sustainable use of the ocean, our coasts and the Great Lakes."**



THE WHITE HOUSE COUNCIL ON ENVIRONMENTAL QUALITY

*Final Recommendations  
Of The  
Interagency Ocean Policy  
Task Force  
July 19, 2010*



# **National Ocean Policy**

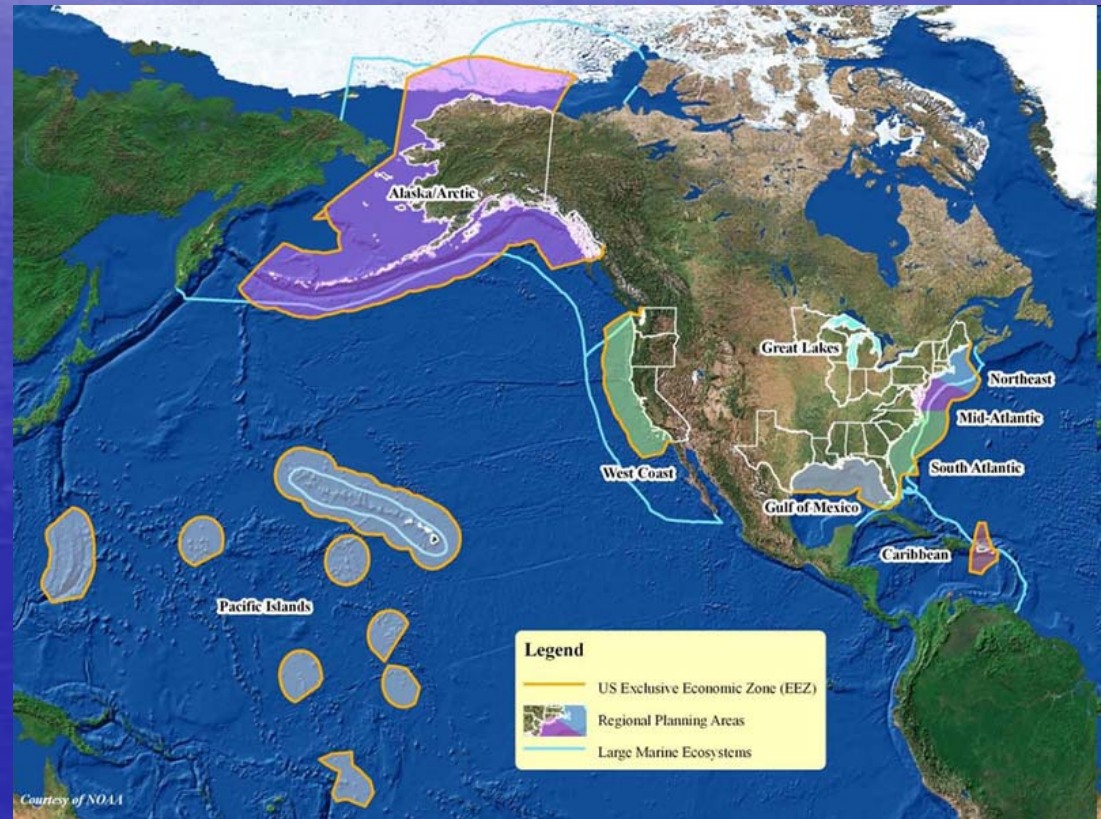
## **Nine National Priority Objectives**

- **Ecosystem-Based Management**
- **Coastal and Marine Spatial Planning**
- Inform Decisions and Improve Understanding
- Coordinate and Support
- **Resiliency and Adaptation to Climate Change**
- **Regional Ecosystem Protection and Restoration**
- **Water Quality and Sustainable Practices on Land**
- **Changing Conditions in the Arctic**
- Ocean, Coastal, and Great Lakes Observations, Mapping, and Infrastructure



# Coastal and Marine Spatial Planning (CMSP)

- Nine Regional Planning Bodies
- Relevant Federal, State, and Tribal Authorities
- For Development of Regional Coastal and Marine Spatial Plans
- Build Upon Efforts of Existing Regional Entities





## Northeast Regional Ocean Council (NROC)

- Coastal Hazards
- Ecosystem Health
- Ocean Energy
- CMSP

## Mid-Atlantic Regional Council on the Ocean (MARCO)

- Protect Offshore Habitats
- Promote Offshore Renewable Energy
- Prepare Coastal Communities for Climate Change
- Improve Coastal Water Quality



Source: BOEMRE Multipurpose Marine Cadastre

# Secretary Salazar's Priorities

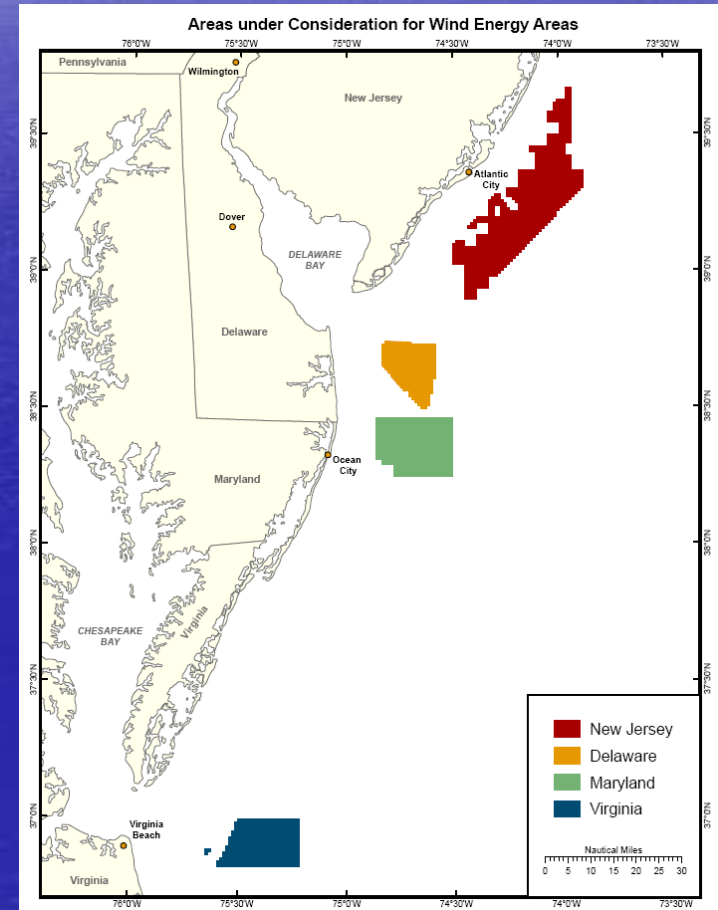
- Renewable Energy
- America's Great Outdoors
- Youth in Conservation





# DOI Smart from the Start

- Accelerate wind energy development on the Atlantic OCS
- Identify "Wind Energy Areas" (WEAs) that appear well-suited for development
- Gather information from agencies regarding environmental, geophysical, and other uses of WEAs
- Coordinate environmental studies and large-scale planning efforts
- Simplify the approval process and eliminate unnecessary regulatory requirements



# FWS Challenges

- New Technology, risks not well understood
- Limited Data and analyses on Avian Species Occurrences and Movement in the Offshore
- Limited Data on Avian Species Behavior in Relation to Offshore Wind Projects



- Limited Methods/Technology for Monitoring Offshore Avian Species
- Pressure to Speed Development
- Need for National Guidance

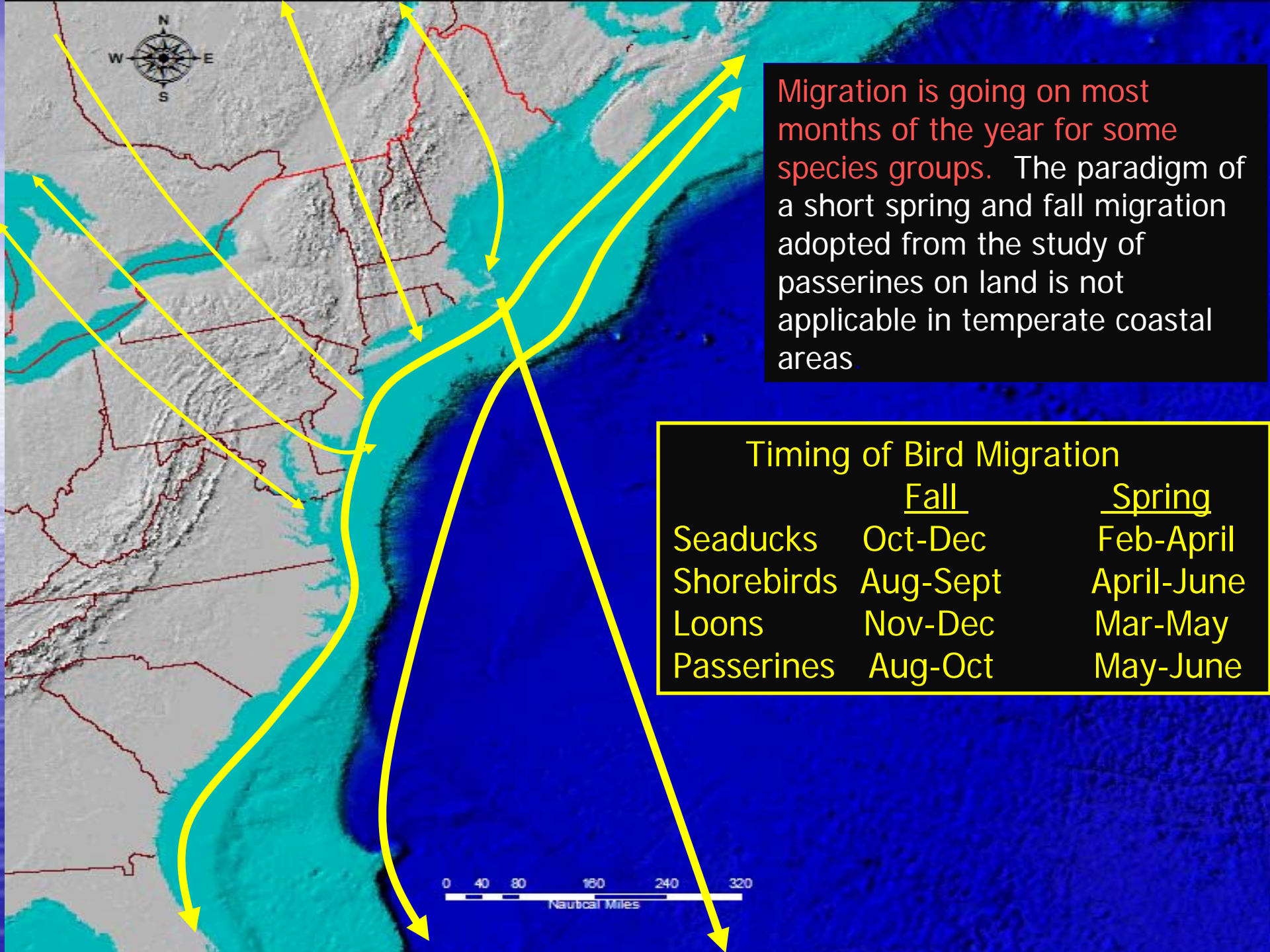


# Waterbirds Using Western Atlantic U.S. Waters

Species Group	North America	Western Atlantic	Approximate Numbers in and Mid- Atlantic U.S. Waters
Loons	5	2	150,000
Grebes	4	2	2,000
Albatross	8	4	Few
Petrels	16	5	Thousands
Shearwaters	15	5	Many Millions
Storm-Petrels	13	3	Many Millions
Boobies	6	1	300,000
Pelicans	2	1	6,000
Cormorants	7	2	Hundreds of Thousands
Seaducks	15	10	1.3 Million
Geese	2	1	100,000
Raptors	3	3	Thousands
Phalaropes	3	3	Hundreds of Thousands
Jaegers	5	4	Thousands
Gulls	22	11	Million
Terns	17	8	Hundred Thousand
Skimmers	1	1	Thousands
Alcids	20	6	Tens of Thousands
Total	164	72	7 - 8 - 10 - 20 million

Birds Most Abundant Over Shoals are in Red





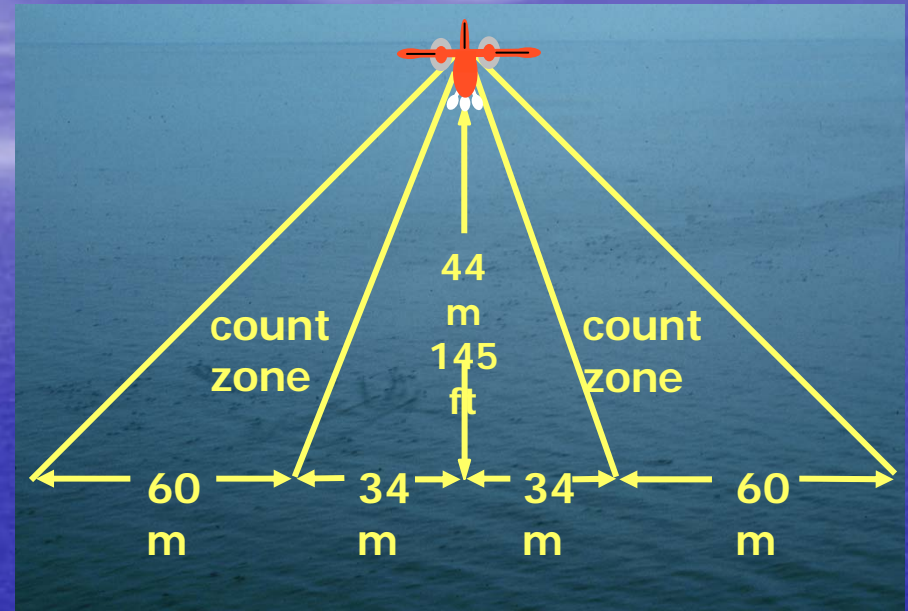
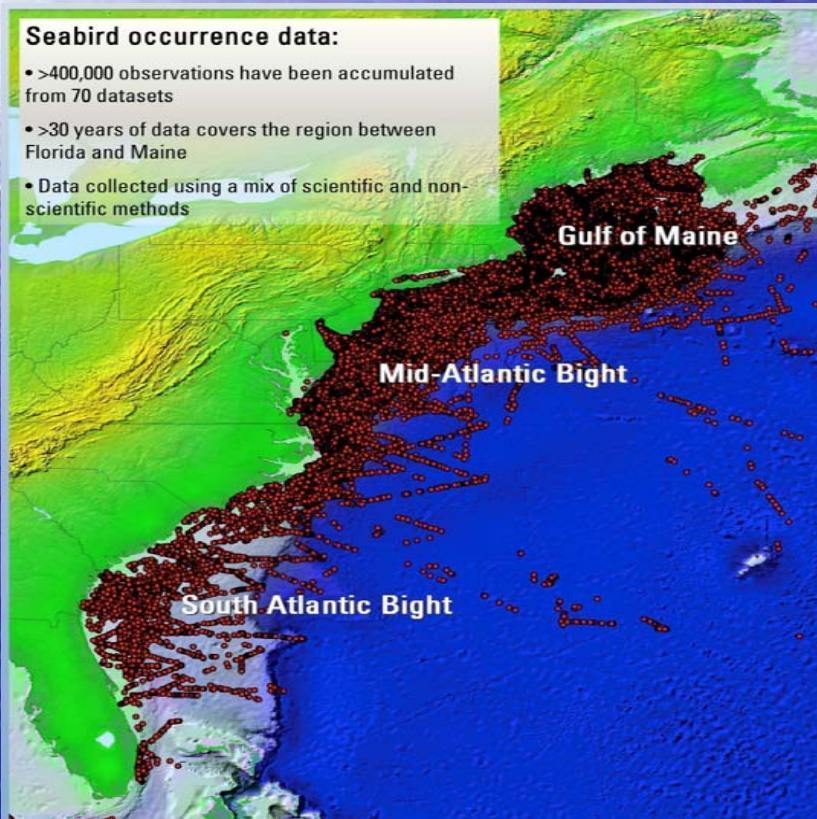
Migration is going on most months of the year for some species groups. The paradigm of a short spring and fall migration adopted from the study of passerines on land is not applicable in temperate coastal areas.

Timing of Bird Migration		
	<u>Fall</u>	<u>Spring</u>
Seaducks	Oct-Dec	Feb-April
Shorebirds	Aug-Sept	April-June
Loons	Nov-Dec	Mar-May
Passerines	Aug-Oct	May-June



# Ongoing with BOEMRE

- Compendium of Marine Birds – Database of all existing surveys for mapping and modeling
- Transfer Database to FWS – Migratory Birds hiring database manager

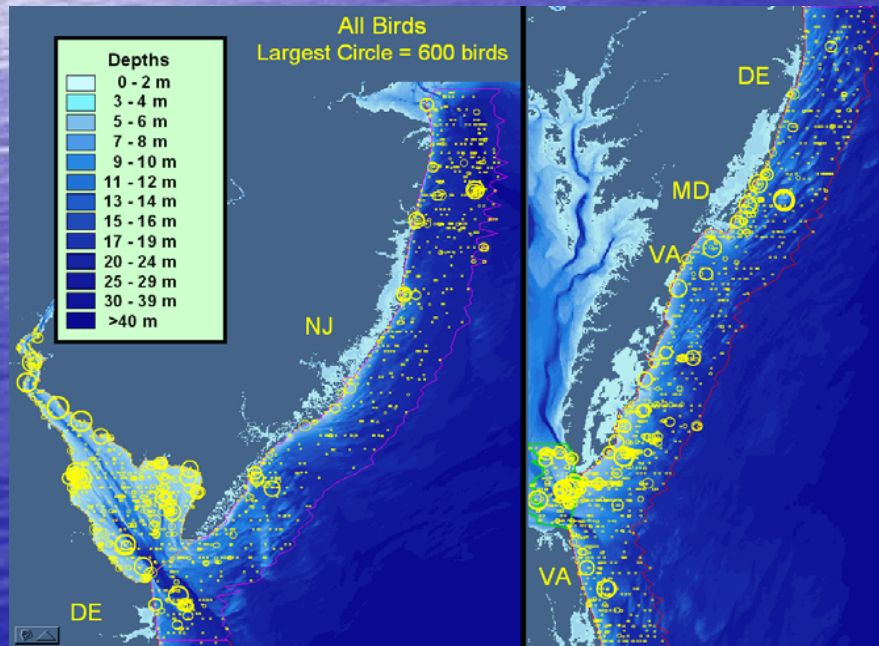


- Atlantic Marine Assessment Program for Protected Species (AMAPPS)
- 5-year w/ NOAA, DOD, BOEMRE
- Aerial and boat-based surveys for protected species



# Proposed Work

- Determining Offshore Use by Diving Marine Birds Using Satellite Telemetry
- Determine Migratory Corridors of Surf Scoters, Northern Gannets, and Red-throated Loons
- Mid- Atlantic Focus



- Pilot Study: Tracking Offshore Occurrence of Common Terns and American Oystercatchers with VHF Arrays – Horseshoe Shoals
- Radio Transmitters with network of remote receivers



# Mitigation for Marine Birds

## Longlines



**Graham Robertson**



*NOAA*



*Greg Green*

